Bia Diagnostics Laboratories

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Certificate of Analysis

Company: Valley Organics
102 Craig Cir
Jeffersonville, VT 05464
Customer ID: 210927-0
Grower License #: SCLT0004

Sample ID: Dried Flower
Lot: N/A
Matrix: Flower-Dry
Date Sampled: N/A
Date Received: 9/22/2022

Report Date: 9/30/2022
Date Analyzed: 9/28/2022
Analyst: LEM
Report ID: C220922AA

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.12	0.11
CBGA	0.0008	14.19	1.42
CBG	0.0019	1.61	0.16
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	9.92	0.99
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	232.40	23.24
CBC	0.0024	0.54	0.05
Total THC		213.73	21.37
Total CBD		0.98	0.10
Total Cannabinoids		259.79	25.98

21.37% **Total THC**	0.1% **Total CBD**
25.98% **Total Cannabinoids**	0.99% **Δ9-THC**
10.44% **Percent Moisture**	1 : 0 **THC : CBD Ratio**

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:
Total THC = (THCA x 0.877) + Δ9-THC
Total CBD = (CBDA x 0.877) + CBD
Ratio of Total CBD: Total THC
Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.
Δ9-THC MU = ±0.005%
Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

Certified by: Luke E. M
Luke Emerson Mason (Laboratory Director, Bia Diagnostics)